



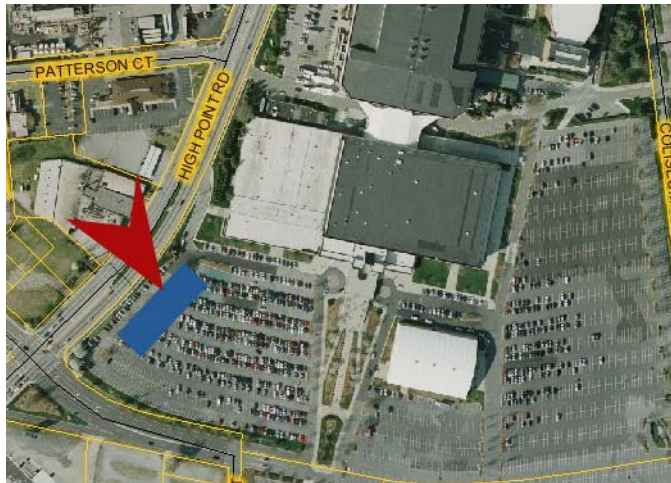
City of Greensboro Project Management Report

ENGINEERING & INSPECTIONS DEPARTMENT



GTA Maintenance /Operation Transit Facility
January 18, 2011

AQUATIC CENTER @ GREENSBORO COLISEUM COMPLEX



District: 1
 Bond Funds Involved: Yes
 Project Number: P04885
 Tracking Number: **405**
 Designer: TFF Architects
 Department: E & I
 Dept Contact: Jerome Fletcher, Mike Perdue
 Reporting Division: Facilities
 Project Manager: Butch Shumate
 Construction Start: Spring, 2010
 Project Completion: Summer, 2011

Project Description

The new Aquatic Center approved by voter Bonds in 2008 will be located on the western side of the Coliseum Complex property at the corner of High Point Road and Patterson Street. This approx. 60,000 square foot swim facility is intended for regional and city swim meets, local team practice and public aquatic activities. The facility will include a 50 meter pool, diving well, warm up pool with spectator seating and amenities.

On December 15 the construction contract was awarded by City Council to Shelco, Inc with \$17,373,961 for the Aquatic Center construction and \$950,000 for the ACC Hall of Champions entrance for a total contract amount of \$18,323,961 with 9% M/WBE participation. The scope of work in this contract includes the construction of the Greensboro Aquatic Center and the renovation of the northwest and southwest exterior façade of the Special Events Center for the new ACC Hall of Champions entrance consisting of metallic and glass panels.

The steel for the lower roof over the warm up pool has been set with roof decking in place; maintenance curbs for the HVAC units are in place. Steel for the high roof over the main competition and dive pools has started and is expected to be completed over the competition pool by the Friday Jan.21. Masonry work on the exterior walls is ongoing as the weather permits, floor slabs for the north end of the building are scheduled to be poured by the end of the month. The concrete slabs in the mechanical /pump rooms have been poured and the pool filters cases set in place so the upper floor slab could be prepped and ready to pour. Stainless steel gutters have been installed in all three pools and protective coverings put in place. Forming of the dive tower platforms has started. The last spectators' entrance walls are to be poured this week.

Budget Comments 2008 Bond & Room Occupancy/Tourism Development Tax

Voters approved \$12,000,000 for the Aquatic Center in November, 2008. The remaining construction amount of \$6,874,961 from the proceeds of the occupancy tax received by the Greensboro/Guilford County Tourism Development Authority was approved on 11/17 and 12/15/2009 by City Council.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$12,000,000	Prof. Services:	\$1,200,000	Prof. Services:	\$1,499,894
Project Budget:	\$12,000,000	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$17,000,000	Construction Cost:	\$17,373,961
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$6,875,000	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$18,875,000	Total Estim. Cost	\$18,200,000	Cost to Date:	\$18,873,855



ENERGY SAVINGS PERFORMANCE CONTRACT



District:
Bond Funds Involved: No
Project Number: P04585
Tracking Number: **404**
Designer: PEPCO Energy Services
Department: E & I
Dept Contact: Walter Simmons
Reporting Division: Facilities
Project Manager: Butch Shumate
Construction Start: February, 2009
Project Completion: February, 2010

Project Description

This project will reduce energy consumption through the installation of energy conservation measures in 46 City-owned buildings. Included in this project are new lighting and water saving fixtures, the replacement of ageing HVAC equipment at the MMOB, District 3 Police Station and the Cultural Arts Center and solar water heating systems at 5 Fire Stations and the MMOB.

On January 6 the City Council authorized the execution of a guaranteed energy savings contract with Pepco Energy Services, Inc. in the amount of \$5,923,000.00 with 10% M/WBE participation. All of the improvement measures have been completed.

A mandatory pre-bid meeting was held on January 14th for the second phase of the Energy Performance Contract. PEPCO was the only ESCO that showed for this meeting. Per legal staff's advice we can proceed with PEPCO for Phase II. PEPCO has worked with staff to identify approximately \$1million worth of additional facility improvement measures. These items include lighting change outs, some additional HVAC upgrades and controls in several buildings. PEPCO is currently working with the Finance staff and legal department to acquire loan rates and prepare project write up to submit to the Local Government Council for approval.

Budget Comments Guaranteed Energy Savings Contract

Potential energy savings are estimated at \$6.5 million over the next 13 years. Monies saved on energy costs will pay for the loan, financing the new equipment and installation.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$6,100,000	Prof. Services:	\$35,400	Prof. Services:	\$35,400
Project Budget:	\$6,100,000	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$6,000,000	Construction Cost:	\$5,923,000
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$40,000	Other Cost:	\$21,000
Available Budget:	\$6,100,000	Total Estim. Cost	\$6,075,400	Cost to Date:	\$5,979,400



MMOB- Solar Panels Installation



Fire Station-Solar Panels Installation



Sportsplex- High Bay Fluorescent Lighting



Recreation Centers- High Bay Fluorescent Lighting



MMOB-Chiller Replacement



MMOB-Chiller Installation

FIRE STATION - #57 URBAN LOOP /85/40



District: 1
Bond Funds Involved: Yes
Project Number: P04798
Tracking Number: **397**
Designer: TMA Architects
Department: FIRE
Dept Contact: Mike Swails
Reporting Division: Facilities
Project Manager: Jerome Williams
Construction Start: Winter, 2009/10
Project Completion: February, 2011

Project Description

Fire Station # 57 is a new station located at 1537-1539 Mt Hope Church Rd. This Fire Station is being built in response to projected growth due to impact of the Urban Loop. The focal point of the service area are the major intersections of I-40, I-85, I-840 and Business I-40 and I-85. The new station is approximately 10,000 square feet. The Fire department is currently responding out of the temporary Fire Station facility.

City Council approved the award of the construction contract for the permanent station to Hodgin Construction Company for the bid amount of \$2,172,500 on December 15, 2009 with 12.9% M/WBE participation.

The project continues to progress, but is slightly behind schedule due to weather and delays caused by subcontractors. Terrazzo floor finishes have been installed allowing work related to other trades to continue. The ceiling grid has been installed in approximately 98% of the building. Heating and air duct lines have been run to locations where grilles are to be installed. Plumbing lines (water) have been completed above ceilings. The electrician is installing wiring to above ceiling junction boxes for power light fixtures. Walls have been primed in preparation for paint finishes. Cabinetry and storage units are being installed at the kitchen, the sleep cubicles and captain quarters. Wood trim is being installed at windows and lobby walls. The installation of ceramic wall and floor tile at toilets and bathrooms is approximately 90% complete. The vehicle exhaust system in the apparatus bay is approximately 95% complete.

On the exterior, the installation of face brick is basically complete at this time. Exterior metal trim work is approximately 90% complete at fascias and gutters with the exception of downspouts, which have not been installed. The completion of exterior grading and site utilities have been hampered by the snow events during the month of January, causing the site to be muddy and excessively wet. However, the concrete slab at the mechanical pad has been installed allowing the generator and mechanical heating and air units to be set.

Budget Comments 2006 Bond

Temporary Station cost: \$132,350. Construction funding for permanent station on the accelerated bond project list.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$4,254,915	Prof. Services:	\$179,430	Prof. Services:	\$208,886
Project Budget:	\$4,560,000	Land- R/W-Cost:	\$380,000	Land - R/W Cost:	\$274,541
Grants/Fed.-State:	\$0	Construction Cost:	\$2,435,000	Construction Cost:	\$2,304,850
Contributions:	\$0	F. F. and E.:	\$376,485	F.F. and E.:	\$163,318
Other Fund Sources:	\$0	Other Cost:	\$1,180,265	Other Cost:	\$721,031
Available Budget:	\$4,560,000	Total Estim. Cost	\$4,551,180	Cost to Date:	\$3,672,626



FIRE STATION - #61 VANDALIA RD



District: 1
Bond Funds Involved: Yes
Project Number: P04832
Tracking Number: **399**
Designer: TMA Architects
Department: FIRE
Dept Contact: Mike Swails
Reporting Division: Facilities
Project Manager: Jerome Williams
Construction Start: December, 2009
Project Completion: March, 2011

Project Description

Fire Station # 61 is a new station located at 103-105 W Vandalia Rd. This Fire Station is being built in response to voluntary annexations and projected growth due to proximity to the major intersections of Urban Loop, 85 By-Pass and development along Hwy 421 corridor. The new station is approximately 10,000 square feet.

On September 1, 2009 the construction contract was awarded by City Council to Brooks General Contractors for the bid amount of \$1,918,110.00 with 6.5% M/WBE participation.

The project remains behind schedule. The site is currently extremely muddy and excessively wet due to the recent snow events. These conditions have affected the progress of work related to exterior grading, site utilities, and electrical and mechanical work at the exterior mechanical pad. However, the installation of face brick is complete, and metal trim work is underway at fascias and soffits.

On the interior, the installation of terrazzo floor finishes is underway at the sleep cubicles and administrative areas. Heating and air duct lines have been installed above ceilings. Electrical panels and boxes are being wired for power. Plumbing rough ins are complete. Walls have been primed for paint finishes. Lockers have been installed at the apparatus bay and toilets. The installation of ceramic wall and floor tile at toilets and bathrooms is approximately 90% complete. Ceiling grid is being installed in the apparatus bay area.

Budget Comments 2006 Bond

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$4,567,578	Prof. Services:	\$188,403	Prof. Services:	\$153,600
Project Budget:	\$4,567,578	Land- R/W-Cost:	\$750,000	Land - R/W Cost:	\$701,619
Grants/Fed.-State:	\$0	Construction Cost:	\$2,980,670	Construction Cost:	\$1,918,110
Contributions:	\$0	F. F. and E.:	\$239,865	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$408,640	Other Cost:	\$0
Available Budget:	\$4,567,578	Total Estim. Cost	\$4,567,578	Cost to Date:	\$2,773,329



GTA MAINTENANCE/OPERATIONS TRANSIT FACILITY AND ADMINISTRATIVE OFFICES - PHASE I & II



District: 1
 Bond Funds Involved: No
 Project Number: P04853A
 Tracking Number: 403
 Designer: Moser Mayer Phoenix Assoc.
 Department: GDOT
 Dept Contact: Libby James
 Reporting Division: Facilities
 Project Manager: Anthony Kozuch
 Construction Start: Spring, 2010
 Project Completion: Fall, 2011

Project Description

The new GTA Operations and Maintenance Facility and Administrative Offices is located at 223 West Meadowview Rd. This facility is being built to address service delivery needs for parking and maintenance of GTA buses.

Phase 1 includes the programming and schematic design of the facility, the site design, permitting and the site work construction phase. On July 21, 2009 the grading contract for Phase 1 was awarded by City Council to Thomas Stanley Grading & Hauling, Inc for the bid amount of \$243,344 with 6.8% DBE participation. This phase is complete. The contractor has provided the asbuilt records. The Phase 1 project has been closed out. Phase 2 includes the 69,254SF facility building design and construction. The design is complete and the construction was awarded by City Council to the J.M. Thompson Company in the amount of \$15,412,904 with 1.1% DBE participation. The Notice of Award was issued on February 18, 2010 and the Notice to Proceed was issued on May 7, 2010. The construction contract duration is 450 consecutive calendar days from the Notice to Proceed date. To date, the contractor has completed a significant portion of the site grading for the southern bus parking area as well as the northwest employee parking lot. The completed work at the western employee parking lot includes installation of underground electrical conduits serving lighting and security features, storm sewer lines, placement of the concrete curb & gutter and pavement stone base. The storm sewer line installation is mostly complete for the project's site less the lines immediate the building perimeter. These remaining storm sewer lines will be placed in the spring of 2011. The sanitary sewer line installation is completed in the south bus yard as well as the installation of underground electrical conduits serving lighting and security features in the southern and western portions of the site. The building work completed to date includes the structural steel, concrete walls, and stair tower installations; building foundation waterproofing and earthen backfill work; installation of the vehicle inspection/lube pit; and the precast panel installation. The metal floor and roof decking is in-place with the elevated concrete floor slab placement underway. The building now has temporary power and lighting. The installation of the below slab chill water lines, plumbing drain lines, and the underground electrical lines on the maintenance level of the building are underway. The southern modular retaining wall construction is underway as weather conditions permit. All earthwork and concrete work continues to be tested and monitored for contract compliance. Erosion control measures are monitored and modified on regular basis as required at each stage of the project. Abnormally cold and wet weather conditions have impacted the critical path schedule and the contractor continues to attempt to alter the schedule to avoid delays when possible.

Budget Comments State & Federal Grant and Stimulus Funds

Funding is provided by State & Federal Grant; Stimulus Funds; and ARRA Funds. This project is scheduled to receive \$5.4 million in ARRA (Stimulus) funding.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$0	Prof. Services:	\$1,213,492	Prof. Services:	\$1,454,685
Project Budget:	\$0	Land- R/W-Cost:	\$1,300,000	Land - R/W Cost:	\$1,327,352
Grants/Fed.-State:	\$18,023,000	Construction Cost:	\$15,509,508	Construction Cost:	\$15,656,248
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0

Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$18,023,000	Total Estim. Cost	\$18,023,000	Cost to Date:	\$18,438,285



LIBRARY - LAKE JEANETTE BRANCH



District: 3
Bond Funds Involved: Yes
Project Number: P04833
Tracking Number: **134**
Designer: J. Hyatt Hammond
Department: LIBRARY
Dept Contact: Sandy Neerman
Reporting Division: Facilities
Project Manager: Reggie Lee
Construction Start: TBD
Project Completion: TBD

Project Description

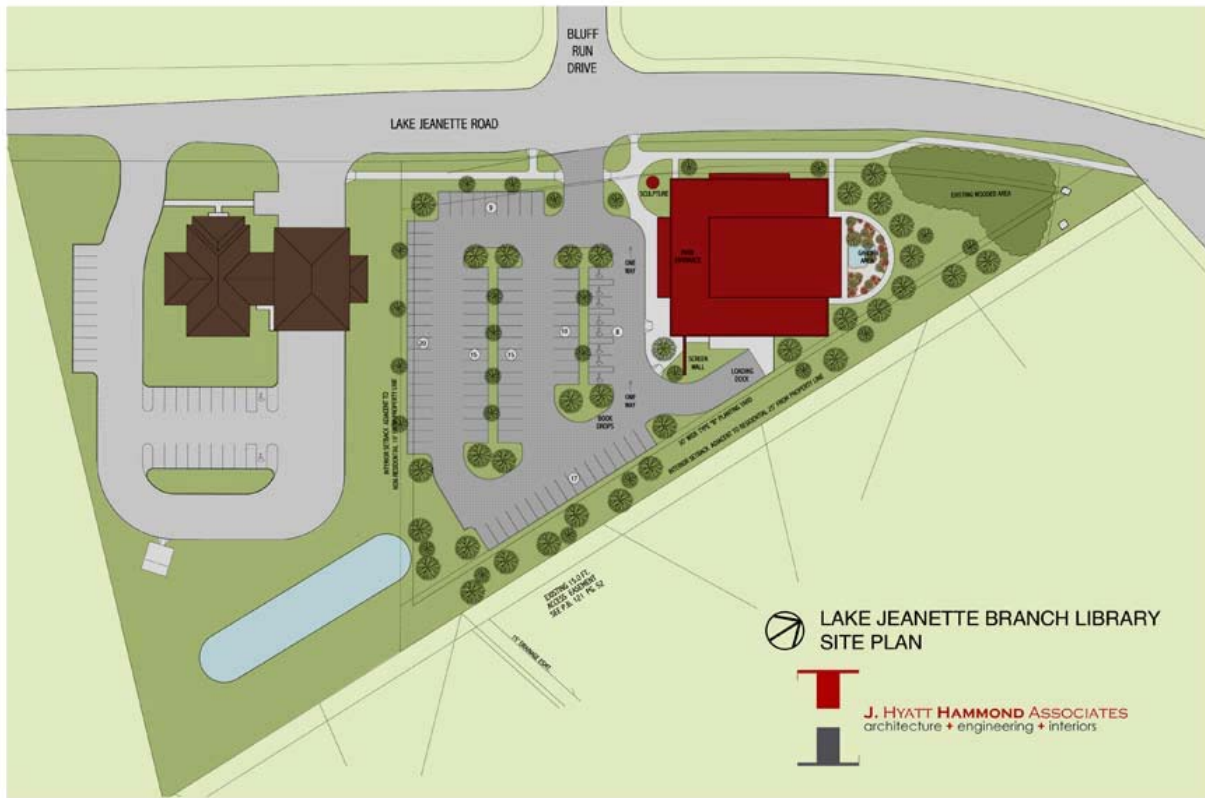
Construction of a 15,000 sq. ft. library at the corner of Bass Chapel and Lake Jeanette Rd. to replace the Northeast Branch, which closed July, 2002. The Libraries Branch and Outreach strategic plan recommended relocating the Northeast Branch further north to accommodate a growing population center without convenient library service.

Strategies for the city's low energy consumption goals verses LEED initiatives as well as USGB standards were discussed among staff and our design professionals. It was decided that this project will have a low energy design focus while LEED certification will not be sought. Staff has solicited interior design firms to serve as a sub-consultant to JHHA for the interior design of the library. Interviews are schedule for February 4, 2011. At the conclusion of interviews a firm will be named and a contract for their services negotiated for acceptance.

Budget Comments 2006 Bond

Land has been purchased with 2000 Bond funds.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$0	Prof. Services:	\$360,376	Prof. Services:	\$12,000
Project Budget:	\$3,658,768	Land- R/W-Cost:	\$74,768	Land - R/W Cost:	\$74,768
Grants/Fed.-State:	\$0	Construction Cost:	\$2,633,455	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$590,169	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$3,658,768	Total Estim. Cost	\$3,658,768	Cost to Date:	\$86,768



NATURAL SCIENCE CENTER



District: 3
Bond Funds Involved: Yes
Project Number: P04951
Tracking Number: **409**
Designer:
Department: NATURAL SCIENCE CENTER
Dept Contact: Glenn Dobrogosz
Reporting Division: Facilities
Project Manager: Butch Shumate
Construction Start: Summer 2011
Project Completion: Summer/Fall 2012

Project Description

The Natural Science Center project was approved by voters in the 2009 Bond referendum. The current 68,000 square-foot Science Center will be fully renovated to include a human health and biology wing (HealthQuest), a dinosaur wing (Prehistoric Passages), an interactive science and technology wing (Sci-Tech Jungle), aquatic reptiles (Water Monsters), a restaurant, and an OmniSphere theater. The Animal Discovery Park will double in size to include an aviary complex, a museum of flight and additional animal habitats. The Carolina SciQuarium, a 26,000 square-foot hybrid aquarium and science museum, will become the new entrance portal into the Science Center.

The selection team chose Moser Mayer Phoenix Associates (MMPA) and Cambridge 7 (C7) to perform the master planning and "Phase I" of the project, based on the design teams experience with other science and aquarium projects. The Natural Science Center entered into a contract in the amount of \$1,056,200 with MMPA & C7 to perform this scope of work.

The SciQuarium project is on schedule. Review of the 90% construction documents is scheduled to be completed by the end of January and construction should begin in June/July 2011 with the goal of having the primary building structure 'dried in' for winter so that the complex tanks and exhibits can be completed over the winter. Given that many of the animals are endangered species, those species are being specifically bred for our Greensboro project at four different institutions across the country, so that the offspring will be available for the opening in 2012.

Budget Comments 2009 Bond

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$20,000,000	Prof. Services:	\$1,056,200	Prof. Services:	\$426,607
Project Budget:	\$20,000,000	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$0	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$20,000,000	Total Estim. Cost	\$1,056,200	Cost to Date:	\$426,607



Bird's Eye View of NSC and SciQuarium

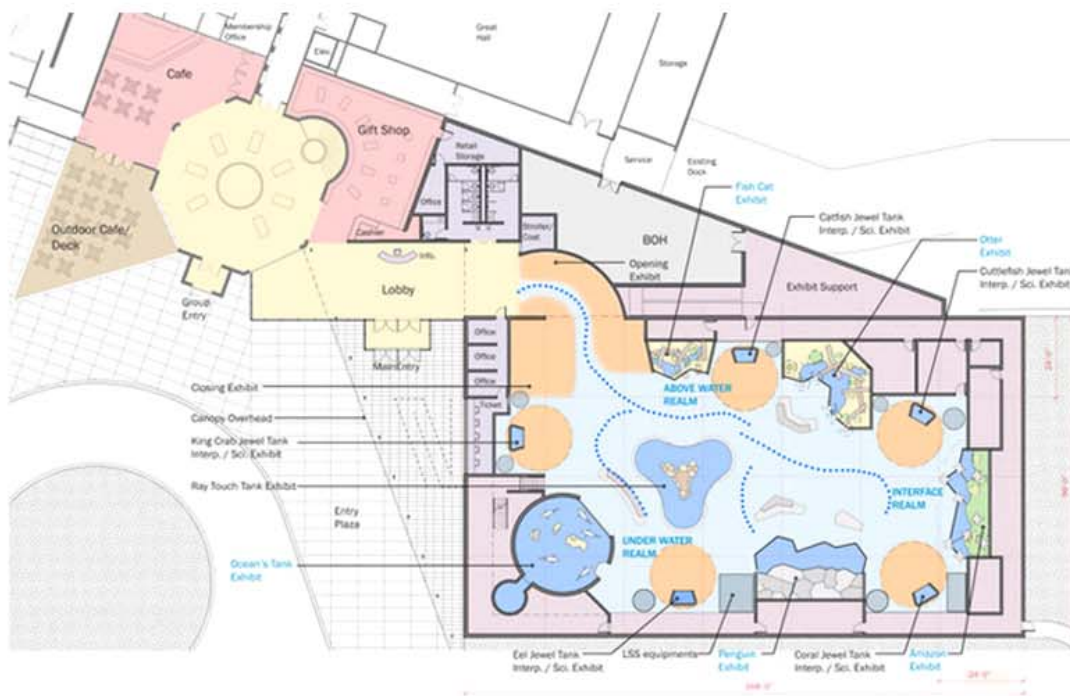
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September 1, 2010



Cambridge Seven Associates, Inc.



Phase 1 - SciQuarium Plan "Water Realms, Gift Shop, & Cafe"

Sep. 21, 2010



Cambridge Seven Associates, Inc.

BARBER PARK MASTER PLAN IMPLEMENTATION - PH. 1 & 2



District: 1
Bond Funds Involved: Yes
Project Number: P04930
Tracking Number: **370**
Designer: Shermin Ata, Architect PLLC
Department: PARKS & RECREATION
Dept Contact: Nasha McCray
Reporting Division: Facilities
Project Manager: Anthony Kozuch
Construction Start: Spring, 2011
Project Completion: Spring, 2012

Project Description

Parks & Recreation Department selected Shermin Ata, Architect PLLC to provide construction documents for the second phase implementation of the adopted master plan. Phase 2 design services and construction is funded by the Wicker grant/donation and the 2008 Bond for the relocated Community Center including the Memorial to Women of Greensboro, and a modified maintenance building that will be shared with the Barber Park staff and the Gateway Garden staff.

Phase 1 - This project phase was designed by Woolpert, LLC. Construction was awarded by City Council to Bar Construction Company, Inc. for the amount of \$2,407,000.00 with 12.3% M/WBE participation. The construction is complete. The playground opened in April, 2010 and the sprayground opened on Memorial Day weekend. A final adjusting change order has been approved with the project being completed under budget. This project has been closed-out.

Phase 2 - The architectural firm of Shermin Ata, Architect PLLC is upgrading the overall master plan and is providing the design for the relocated Community Center including the Memorial to Women of Greensboro, and a modified maintenance building. The facility will be shared with the Barber Park and Gateway Garden staff. The first community meeting was conducted on January 26, 2010 to share concept plans of the buildings. The design work resumed in late September with an anticipated schedule to advertise for construction bids by spring 2011, pending the availability of funding for construction. Parks & Recreation Department continue to attempt to schedule a meeting with the Wicker Foundation to share the current design layout of the Community Center including the Memorial to Women of Greensboro and to gather information on the direction of the design layout for the memorial area of the community building. The plans are currently in the design development phase. The maintenance building plans are under review by City staff, while the plan submittal for the Community Center and the Memorial to Women of Greensboro will follow after the second community meeting.

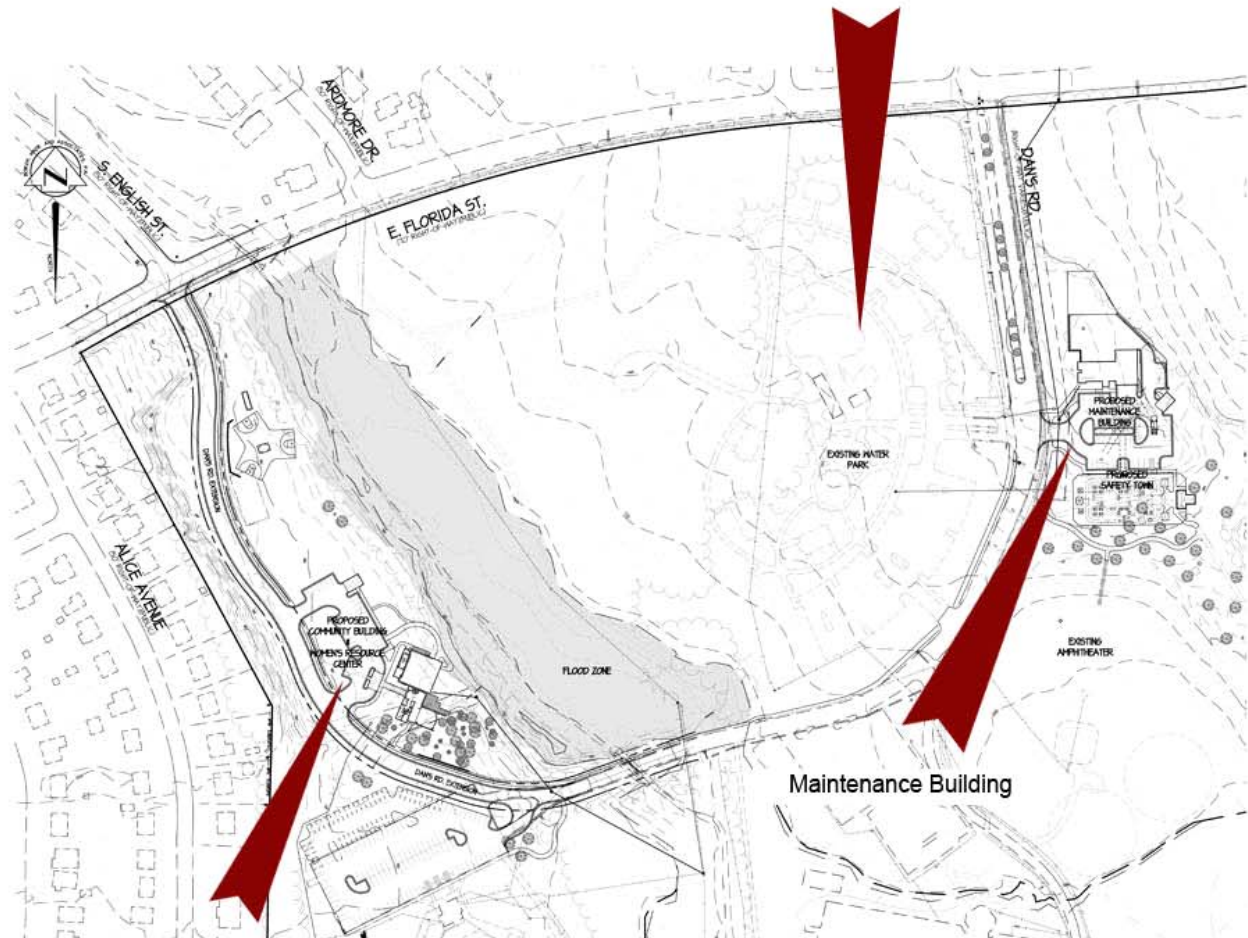
Budget Comments 2008 Bond, R Wicker Grant

Budget, estimated cost and cost to date for Phase II only.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$3,000,000	Prof. Services:	\$423,400	Prof. Services:	\$245,980
Project Budget:	\$3,000,000	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$900,000	Construction Cost:	\$3,476,600	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$3,900,000	Total Estim. Cost	\$3,900,000	Cost to Date:	\$245,980

Phase 2: Community Center including the Memorial to Women of Greensboro & Maintenance Building

Phase 1: Spray Ground & Playground



Community Center & Memorial to Women of Greensboro

Maintenance Building

GATEWAY GARDENS



District: 1
 Bond Funds Involved: Yes
 Project Number: P04787
 Tracking Number: **336**
 Designer:
 Department: PARKS & RECREATION
 Dept Contact: Kathy Cates (City Beautiful)
 Reporting Division: Facilities
 Project Manager: Reggie Lee
 Construction Start: Spring, 2009
 Project Completion: Fall, 2010

Project Description

The objective of Gateway Gardens is to enhance the eastern entrance to the City Limits. Plans for this site include a Visitors' Center, parking facilities, demonstration & feature gardens, rain garden, children's garden, Natural Heritage Preserve in White Oak Forest, pedestrian bridges, heritage garden, a central water feature, wedding & special events garden, Greensboro Icon and Gateway Plaza. This project will be developed in phases. The implementation of the proposed plan is contingent upon funding contributions by Greensboro Beautiful combined with a \$ 1.5 million dollar contribution by the City of Greensboro.

On December 16, 2008 the Phase 1 construction contract was awarded by City Council to Fuller Contracting for the bid amount of \$2,960,400.00 with 6.87% M/WBE participation.

Fuller Contracting and Valley Crest Landscaping are completing Phase 1 punch list items and providing final project close-out documentation. Greensboro Beautiful Incorporated (GBI) has a contract with Vega Metals to acquire and install a main entrance and a pedestrian gate. Staff anticipates the main entrance gate installed by February 2011. Once the gates are installed, the balance of the artwork will follow. The grand opening is tentatively planned for spring 2011. Staff is negotiating with CDA for professional services for phase 2 - Welcome Center facility. Once an agreement has been reached and approved, CDA will be authorized to update drawings for code compliance. The sedimentation, erosion control plans will be separated from the master plan and updated for this phase to acquire NCDENR's approval.

Budget Comments 2000 & 2008 Bond

\$3,500,000 of this \$5,000,000 project will be funded by Greensboro Beautiful.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$0	Prof. Services:	\$200,000	Prof. Services:	\$478,454
Project Budget:	\$1,500,000	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$4,800,000	Construction Cost:	\$3,278,303
Contributions:	\$3,500,000	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$3,400
Available Budget:	\$5,000,000	Total Estim. Cost	\$5,000,000	Cost to Date:	\$3,760,157



HILLTOP RECREATION CENTER



District: 5
Bond Funds Involved: Yes
Project Number: P04486
Tracking Number: 37
Designer: Corley, Redfoot & Zack, Inc
Department: PARKS & RECREATION
Dept Contact: Dan Maxson
Reporting Division: Facilities
Project Manager: Reggie Lee
Construction Start: Summer, 2011
Project Completion: Spring/Summer, 2012

Project Description

The 48 acre property for the proposed Hilltop Recreation facility is adjacent to Hilltop Road and Shimer Drive. Based on the department's service standards for the City and the continued growth of Adam's Farm, Sedgfield and Grandover, there exists a need for a new recreation center and adjacent parkland in District 5.

The master site plan has been accepted and the design team is moving forward with finalizing staff's review comments on the design development drawings which will be reflected in the construction documents. The lead designer, Corley Redfoot & Zack, Inc., have submitted a request for compensation for additional services related to revising the master plan, and attending community meetings. Construction documents will be delivered to staff for review at 50% completion to confirm all comments were received and addressed before continuing onto a 100% complete. Presently staff is acquiring a proposal for additional soil borings for the new building location and roadway access into the site. A proposal for a survey showing meets, bounds and topographical information of the additional purchased property is required to completing design work. Property Management and Parks and Recreation are in negotiation over a request from the adjoining property owner to have the City of Greensboro dedicate .6 acres as unbuildable area.

Budget Comments 2000 & 2006 Bond

This project is on the City of Greensboro's list for potential federal stimulus funding.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$4,800,000	Prof. Services:	\$500,000	Prof. Services:	\$432,350
Project Budget:	\$5,947,113	Land- R/W-Cost:	\$1,600,000	Land - R/W Cost:	\$3,614,965
Grants/Fed.-State:	\$0	Construction Cost:	\$3,400,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$5,947,113	Total Estim. Cost	\$5,500,000	Cost to Date:	\$4,047,315

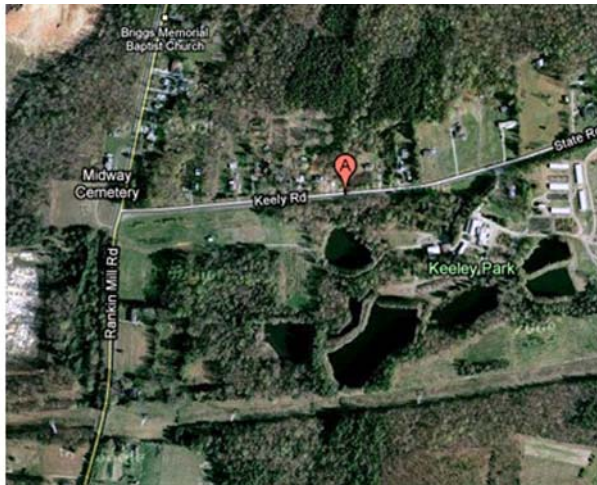


HILLTOP RECREATION CENTER
CITY OF GREENSBORO PARKS AND
RECREATION DEPARTMENT
GREENSBORO, NC

**HILLTOP PARK MASTER PLAN
OPTION A**



KEELEY PARK DEVELOPMENT: PHASE I



District: 2
Bond Funds Involved: Yes
Project Number: P04485
Tracking Number: 45
Designer: Site Solutions
Department: PARKS & RECREATION
Dept Contact: Dan Maxson
Reporting Division: Facilities
Project Manager: Reggie Lee
Construction Start: Fall, 2010
Project Completion: Spring, 2011

Project Description

SPRAYGROUND, PLAYGROUNDS, RESTROOM/CONCESSIONS, TRAILS, SHELTERS, COMMUNITY GARDEN

The former Keeley Nursery site is being developed as a community park. The first phase of the park will include pond renovations, trails, shelters, a community garden, a sprayground, playgrounds and a restroom/concessions building. The 1998 Parks and Recreation Master Plan identifies this area of Greensboro as a location where a community park is needed.

On January 5, 2010 the contract for the first phase of the park construction was awarded by City Council to T. A. Loving for the bid amount of \$3,975,700.00 with 24% M/WBE participation. Due to funding discussions delaying execution of the contract for several months a change order for material cost escalation is being reviewed by staff. Contracts have been executed and a groundbreaking ceremony was held on August 5, 2010.

To date the project is approximately 25% complete, recent weather has slowed progress. The combining of ponds is approximately 80% complete. Masonry walls are in-progress at the community garden shelter, and the spray-ground.

Clearing is complete for the maintenance building, but weather has prevented the installation of footings for the maintenance building. The footings and the slab-on-grade for the community garden and spray ground were placed ahead of the weather and masonry walls are in-progress at the community garden shelter, and the spray-ground concessions/restroom building. Hollow metal door frames are placed and ready to receive block walls at the spray ground facility. The tool shelters at the community garden area are framed. Structural components are being erected at the community garden just as plumbing and electrical rough-ins are being completed. The pre-manufactured building submittals for the greenhouse are in process for approval.

Budget Comments 2000 Bond & N.C. Parks and Recreation Trust Fund

A \$500,000 Parks and Recreation Trust Fund grant has been awarded to Parks & Recreation to aid in the development of this project. Development is phased due to the anticipated timing of bond sales. Budget is not available until anticipated Bond sale in 2010.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$6,590,000	Prof. Services:	\$604,006	Prof. Services:	\$604,006
Project Budget:	\$5,250,964	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$500,000	Construction Cost:	\$2,000,000	Construction Cost:	\$3,975,700
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$5,750,964	Total Estim. Cost	\$2,604,006	Cost to Date:	\$4,579,706



WAR MEMORIAL STADIUM IMPROVEMENTS



District: 2
Bond Funds Involved: Yes
Project Number: P04684
Tracking Number: **367**
Designer: Walter, Robbs, Callahan & Pierce
Department: PARKS & RECREATION
Dept Contact: John Hughes
Reporting Division: Facilities
Project Manager: Butch Shumate
Construction Start: TBA
Project Completion: TBA

Project Description

Currently, Parks & Recreation and Facilities Management are in the process of hiring a consultant to re-evaluate the condition of the structure. Discussions for a new renovation plan are underway to determine the best course of action that will provide for continued use of the facility.

A meeting with the stakeholders group was held on April 12 to present and discuss what could be accomplished at the stadium with the existing funding. This scope of work included demolishing the interior concrete risers and seating, and the team dressing rooms along with the concessions areas located under the riser. The exterior portions of the stadium walls would be removed up to the entrance towers with the towers and arches to be stabilized and restored. Public restrooms and some storage areas would be rebuilt. Aluminum bleachers would be brought in to provide seating for 500 spectators. Perimeter fencing and an entrance plaza of 5,000 square feet is also included in this scope of work. Staff met with the design team to ask that they provide a detailed phasing / cost estimate of proposed scope.

Staff from P&R and Facilities met with the Facilities Director of A&T along with members of his staff to discuss the possibility of a partnership in sharing of the renovation cost for the Stadium. A&T had some additional scope of work for which they requested a cost estimate from WRCP. These additions include a 1500-2000 sf. Elevated press box, an elevator to the press box, grass berms along the 1st & 3rd baselines for family style seating areas, and possible upgrades to the dugouts. The designer provided an updated cost estimate of approximately \$3,350,000 to complete all renovations. The Director of Facilities for A&T will use this estimate in funding discussion with school officials.

Budget Comments P & R Facilities Bond 2007

The demolition, the scoreboard and the fence installation for \$69,400 was paid with M & O monies. The P & R Facilities Bond Fund 2007 was approved by City Council on Oct. 2, 2007 in the amount of \$1,500,000. This project is on the City of Greensboro's list for potential federal stimulus funding. Federal funding requested through FY09-10 Budget earmark process - \$2.5 million for site improvements

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$30,000	Prof. Services:	\$213,750	Prof. Services:	\$98,800
Project Budget:	\$1,569,400	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$3,348,750	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$1,569,400	Total Estim. Cost	\$3,562,500	Cost to Date:	\$98,800

BALLINGER RD BRIDGE @ HORSEPEN CREEK - REPLACEMENT



District: 5
Bond Funds Involved: No
Project Number: P04117
Tracking Number: **350**
Designer: Ralph Whitehead & Associates
Department: GDOT
Dept Contact: Adam Fischer
Reporting Division: Engineering
Project Manager: Bruce Overman
Construction Start: Summer, 2011
Project Completion: Summer, 2012

Project Description

This is a bridge replacement that is necessary to accommodate future traffic. The bridge proposal includes an increase in width to 40 feet. Proposed with the bridge is a 10 ft. Multi-use path on the north side and a 6 ft. Sidewalk on the south side.

This bridge was found to be in need of replacement after routine inspections by NCDOT. Funding for the bridge will include 80% Federal Highway funds working through NCDOT and 20% local funding. The new bridge location is restricted by agencies with interests in the property on both sides. A study of the revised flood plain maps indicates that a "no impact" condition can be maintained and that a Conditional Letter of Map Revision (CLOMR) can be avoided. The Army Corps of Engineers and the Division of Water Quality permits have been received. Property acquisitions have been certified by NCDOT.

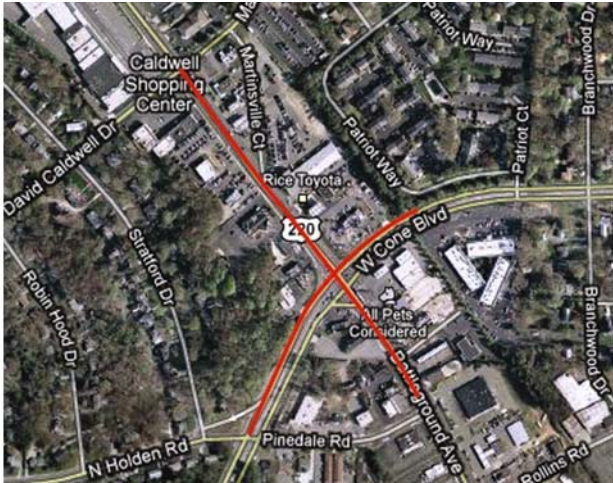
Revisions to the specifications and adjustments to meet NCDENR-DLQ requirements are in progress. The specifications will be resubmitted to NCDOT with a request for Construction Authorization. Advertising for construction will follow Construction Authorization.

Budget Comments Powell Bill & NCDOT Participation

This project is 80% NCDOT funding and 20% City funding.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$360,000	Prof. Services:	\$287,000	Prof. Services:	\$260,568
Project Budget:	\$458,400	Land- R/W-Cost:	\$175,000	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$2,527,200	Construction Cost:	\$2,605,900	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$2,985,600	Total Estim. Cost	\$3,067,900	Cost to Date:	\$260,568

BATTLEGROUND AVE - BENJAMIN - CONE INTERSECT. IMPRV.



District: 3
Bond Funds Involved: Yes
Project Number: P04554
Tracking Number: **386**
Designer: URS Corporation
Department: GDOT
Dept Contact: Chris Spencer
Reporting Division: Engineering
Project Manager: Anthony Kozuch
Construction Start: Fall, 2017
Project Completion: Summer, 2018/19

Project Description

The project includes widening with turn lane, sidewalks, asphalt resurfacing and related work for Battleground Avenue between Martinsville Road and Oak Hill Drive, Cone Boulevard between Battleground Avenue and the Rail Trail Tunnel area, and for Benjamin Parkway between Battleground Avenue and Holden Road.

This project was designed by URS Corp. The revised 100% contract documents have been received. Property acquisition has been placed on hold awaiting availability of funds. Once property acquisition is completed, utility relocations will follow.

This project is being considered for substantial funding by NCDOT through their Transportation Improvement Program (STIP No. U5306). Funding details have not yet been determined.

Budget Comments 2008 Bond

This project is currently under consideration for partial construction funding by NCDOT. The remainder will be funded by 2008 Transportation Bond sales.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$3,000,000	Prof. Services:	\$250,000	Prof. Services:	\$332,160
Project Budget:	\$1,086,285	Land- R/W-Cost:	\$750,000	Land - R/W Cost:	\$4,125
Grants/Fed.-State:	\$0	Construction Cost:	\$1,900,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$1,086,285	Total Estim. Cost	\$2,900,000	Cost to Date:	\$336,285

BATTLEGROUND AVE - NEW GARDEN RD INTERS. IMPROV



District: 3, 4
Bond Funds Involved: Yes
Project Number: P04555
Tracking Number: **384**
Designer: Gary Stephenson
Department: GDOT
Dept Contact: Chris Spencer
Reporting Division: Engineering
Project Manager: Gary Stephenson
Construction Start: Fall, 2017
Project Completion: Winter, 2018/19

Project Description

This is a channelization of the existing roadway that consists of widening the roadways to accommodate new turn lanes, concrete islands, grassed and landscaped median and sidewalks installed on both sides of each roadway.

Preliminary survey is complete. Existing right-of-way has been established, preliminary alignments have been set and design is in progress. Impacts to traffic signal poles, control cabinets and other existing utilities are being reviewed.

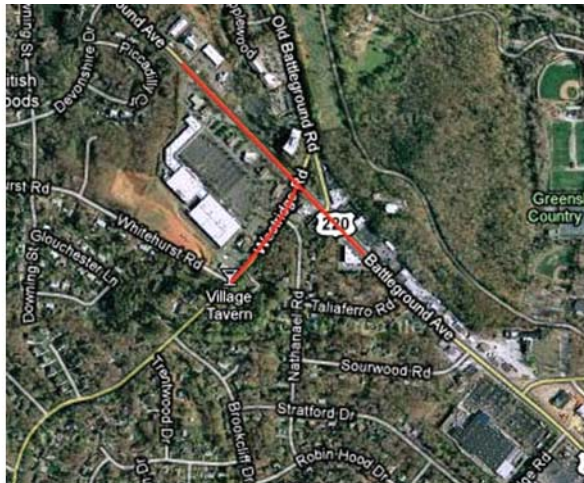
This project is being considered for substantial funding by NCDOT through their Transportation Improvement Program (STIP No. U5306). Funding details have not yet been determined.

Budget Comments 2008 Bond

This project is currently under consideration for partial construction funding by NCDOT. The remainder will be funded by the 2008 Transportation Bond sales.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$1,500,000	Prof. Services:	\$0	Prof. Services:	\$0
Project Budget:	\$280,000	Land- R/W-Cost:	\$250,000	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$1,200,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$280,000	Total Estim. Cost	\$1,450,000	Cost to Date:	\$0

BATTLEGROUND AVE - WESTRIDGE RD INTERSECTION



District: 3, 4
Bond Funds Involved: Yes
Project Number: P04553
Tracking Number: **385**
Designer: Guy Ingle
Department: GDOT
Dept Contact: Chris Spencer
Reporting Division: Engineering
Project Manager: Guy Ingle
Construction Start: Fall, 2017
Project Completion: Winter, 2018/19

Project Description

This is a channelization of the existing roadway that consists of widening to accommodate new turn lanes, concrete islands, sidewalks, grassed and landscaped medians installed on all approaches.

Existing right-of-way has been established and preliminary alignments have been set. Impacts to traffic signal poles, control cabinets and other existing utilities are being assessed. Survey has located additional drainage structures and downstream channels for the required drainage studies. Additional survey of off-site areas is underway for slope tie-ins, parking lot evaluations/modifications, additional utilities, etc.

Water Resources has begun the design for a new pump station at a new location to replace the existing pump station at this intersection after it is demolished.

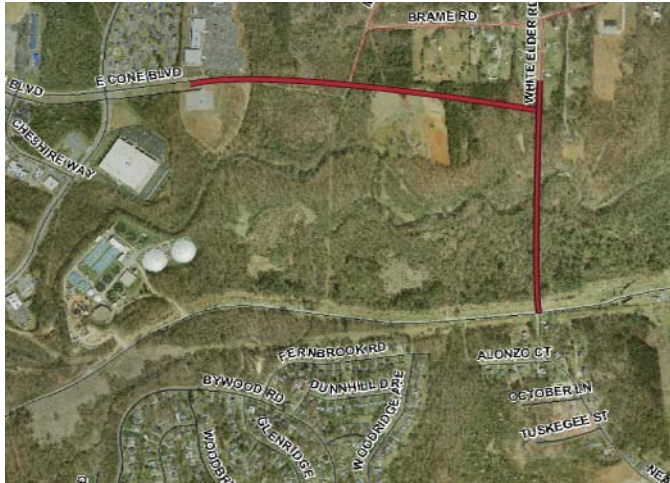
This project is being considered for substantial funding by NCDOT through their Transportation Improvement Program (STIP No. U5306). Funding details have not yet been determined.

Budget Comments 2008 Bond

This project is currently under consideration for partial construction funding by NCDOT. The remainder will be funded by the 2008 Transportation Bond sales.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$4,300,000	Prof. Services:	\$0	Prof. Services:	\$0
Project Budget:	\$400,000	Land- R/W-Cost:	\$400,000	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$3,800,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$400,000	Total Estim. Cost	\$4,200,000	Cost to Date:	\$0

CONE BOULEVARD/NEALTOWN ROAD EXTENSIONS & BRIDGE



District: 2
Bond Funds Involved: Yes
Project Number:
Tracking Number: **340**
Designer: Ralph Whitehead Assoc.
Department: GDOT
Dept Contact: Adam Fischer
Reporting Division: Engineering
Project Manager: Bruce Overman
Construction Start: Summer, 2012
Project Completion: Summer, 2013

Project Description

FROM END OF EXISTING CONE BOULEVARD 3200' EAST & FROM END OF EXISTING NEALTOWN ROAD 2000' NORTH

This project includes a 3,200' extension of Cone Boulevard and a 2,000' extension of Nealtown Road. Cone Boulevard will have two lanes with a sidewalk on the south side. Nealtown Road will have two lanes with curb & gutter, sidewalks and a significant bridge. This is a very complex project, which includes both bridge and culvert designs. The review process alone will be time consuming, and the entire project will take some time to complete. An outside engineering firm has been retained due to the unique permitting and structural design requirements.

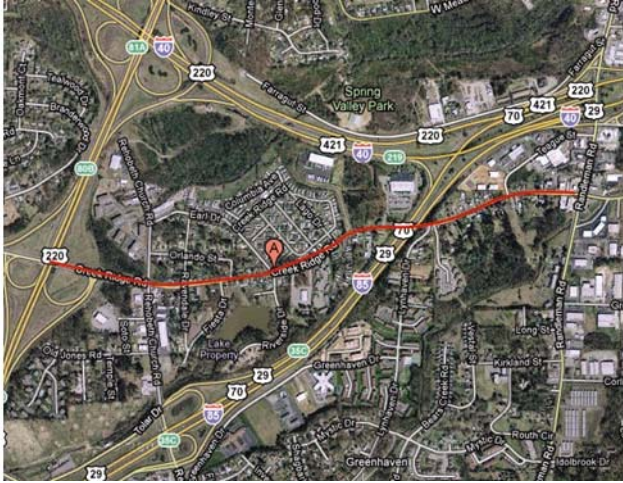
The NC Division of Water Quality required that Cone Blvd. be scaled back from the original 4 lanes to 2 lanes in order to avoid the requirement to prepare a full Cumulative Quantitative Analysis, which would significantly impact the timing and cost of the project. Another very significant complication was encountered when the borings for the bridge structure revealed a large amount of old landfill material. The landfill material discovered in the roadway area must be removed and replaced, which increased the cost of the project significantly. In view of these cost increases, in order to reduce costs in other areas, the improvements to White St. and the roundabout at the intersection of White St. and Nealtown Rd. were eliminated from the project. Roadway design and property drawings and descriptions were completed before the project was put on "hold." These drawings are being updated and revised to reflect current conditions and to meet current environmental requirements. The consultant is preparing updated environmental permit applications based on current regulations. Funding for real estate acquisition is tentatively planned for 2011.

Budget Comments 2000, 2008 Bond & Powell Bill

Professional Design Services funded with Powell Bill Funds.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$5,500,000	Prof. Services:	\$600,000	Prof. Services:	\$567,953
Project Budget:	\$1,000,000	Land- R/W-Cost:	\$400,000	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$8,100,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$1,000,000	Total Estim. Cost	\$9,100,000	Cost to Date:	\$567,953

CREEKRIDGE ROAD



District: 1
Bond Funds Involved: Yes
Project Number: P03878
Tracking Number: 9
Designer: Gary Stephenson
Department: GDOT
Dept Contact: Adam Fischer
Reporting Division: Engineering
Project Manager: Gary Stephenson
Construction Start: Spring, 2011
Project Completion: Summer, 2012

Project Description

RANDLEMAN RD TO US 220

Creekridge Road is a minor thoroughfare running east-west connecting Elm-Eugene Street, Randleman Road, and US-220. The section between Randleman Road and US 220 is a narrow two lane section that was approved on the 2000 Bond program for widening improvements

Property acquisitions are complete. NCDOT has approved the encroachment permit (sidewalk on the bridge). The engineer's estimate is in process. Traffic Control and Pavement Marking plans are complete. Water Resources (Storm Water Division) has completed its review and granted a Flood Plain Permit for the project.

NC Division of Water Quality and Land Quality permits are in process; plans are being revised per initial review comments. The storm water management structure is under review by Greensboro's Storm Water Division. Utility adjustments are in process

Budget Comments 2000 Bond

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$2,500,000	Prof. Services:	\$108,800	Prof. Services:	\$109,031
Project Budget:	\$6,978,733	Land- R/W-Cost:	\$421,200	Land - R/W Cost:	\$295,360
Grants/Fed.-State:	\$0	Construction Cost:	\$6,448,733	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$6,978,733	Total Estim. Cost	\$6,978,733	Cost to Date:	\$404,391

DOWNTOWN GREENWAY



District: 1,2,3
Bond Funds Involved: Yes
Project Number: P04841
Tracking Number: **406**
Designer: Various Consultants
Department: GDOT
Dept Contact: Adam Fischer
Reporting Division: Engineering
Project Manager: Ted Partrick
Construction Start: February, 2009
Project Completion: 2017

Project Description

The downtown greenway will enhance pedestrian and bicycle circulation in and around downtown, serving as a hub for a larger future greenway network and improving transportation safety and mobility choices. This urban trail will be part off-street shared-use path and part sidewalk with on-street bicycling. The project is a public-private partnership and will be constructed in four major phases.

*Phase 1: Spring Garden Street - Bragg Street - E. Lee Street. The section of Phase 1 from the ramp at Freeman Mill Road to Eugene Street is complete. MWBE participation was 6%.

*Phase 1-A: The section from W. Lee Street north to Spring Garden Street has been designed. Bids on the construction contract were opened on September 23, 2010. Completion is anticipated in fall, 2011. Delays have occurred in obtaining Railroad approval of the railroad crossings. This phase includes a significant cornerstone with sculpture at the W. Lee Street entrance to the Greenway. Additional grants were received from the National Endowment of the Arts for art in the railroad underpass and from the Department of Energy for solar lighting of the trail. MWBE participation of 12.8% is planned.

*Phases 1-B and 1-C: The sections from Eugene Street along Bragg Street to E. Lee Street are in the preliminary stages. These sections are surrounded by new re-development projects in various stages of design, including the South Elm Street Redevelopment Project. Construction is anticipated to start in 2012. The design of the section from Eugene to Arlington will start this Spring.

*Phase 2: The preliminary design from E. Lee Street along Murrow Boulevard and Fisher Avenue to Eugene Street is complete. Final design and construction plans have begun. This is a much larger project in cost and scope. Completion of the design and construction plans with approvals is anticipated for fall, 2012.

*Phases 3: Final design and construction plans began in October for the section from Fisher Avenue at Eugene to the railroad crossing at Smith. The section on Eugene from Fisher Ave. to Smith St. is scheduled for construction to begin in the summer of 2011.

*Phase 4: This is the portion of the Greenway along the Atlantic & Yadkin Railroad line from Smith Street to Spring Garden Street. Construction cannot begin until after the railroad ceases service to a current customer on the line. Preliminary mapping of the properties along the railroad right of way is complete. Preparations are under way for banking of the right of way.

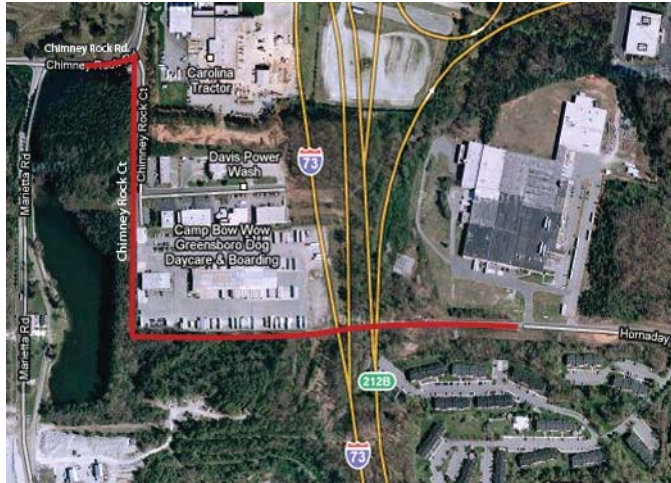
Budget Comments 2000 & 2008 Bonds (State Grants) & Private Funds

\$1,130,000 approved for design and construction expenditures. The project is being funded in partnership by public (\$7 million total in 2008 Bonds and Grants) and private funds ("Other Fund Sources"). "Cost to Date" reflects City expenditures only. Additional \$12 million in funding will be required to complete the Greenway. The funding sources will be future City bonds and private.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$7,000,000	Prof. Services:	\$1,300,000	Prof. Services:	\$231,004
Project Budget:	\$6,940,000	Land- R/W-Cost:	\$1,400,000	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$60,000	Construction Cost:	\$19,700,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$3,000,000	F.F. and E.:	\$21,309
Other Fund Sources:	\$7,000,000	Other Cost:	\$0	Other Cost:	\$580



HORNADAY ROAD EXTENSION



District: 5
Bond Funds Involved: Yes
Project Number: P04160
Tracking Number: 154
Designer: Wilbur Smith & Associates
Department: GDOT
Dept Contact: Adam Fischer
Reporting Division: Engineering
Project Manager: Thomas Cordell
Construction Start: Winter, 2009/2010
Project Completion: Winter, 2011/2012

Project Description

CHIMNEY ROCK ROAD TO EXISTING HORNADAY ROAD

The project includes widening, curb & gutter, storm sewer, sidewalk on both sides, bridge design and other items associated with a new roadway improvement. Hornaday Road improvements are being accelerated to facilitate development in the western portion of the City of Greensboro.

Advertisement for bids took place on 8/13/09, and bids were opened on 9/30/09. Dane Construction Co. was the low bidder for the roadway and overpass with a total bid of \$5,803,579.99 and 9% M/WBE participation. The Notice to Proceed was effective 1/19/10. The contract completion date is 1/19/12. Storm sewer, fine grading, stone base, and most of the curb and gutter have been completed west of the overpass. Construction of both retaining walls and construction of the 5 bridge supports have been completed. Half of the steel girders for the overpass have been installed. Storm sewer installation and grading on the east side of the overpass are in progress.

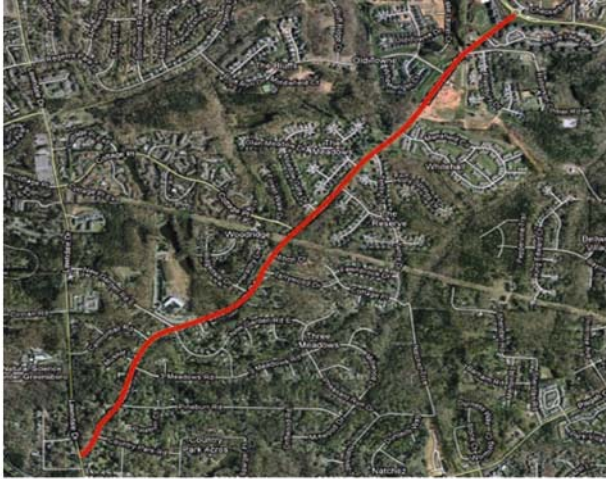
Budget Comments Powell Bill, State Funds & 2000 Bond Issue

NCDOT will reimburse the City up to \$4.716 million for design and construction costs for the Hornaday Rd. overpass.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$2,500,000	Prof. Services:	\$550,000	Prof. Services:	\$557,118
Project Budget:	\$5,200,000	Land- R/W-Cost:	\$250,000	Land - R/W Cost:	\$167,858
Grants/Fed.-State:	\$6,400,000	Construction Cost:	\$10,400,000	Construction Cost:	\$5,894,326
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$11,600,000	Total Estim. Cost	\$11,200,000	Cost to Date:	\$6,619,302



LAKE JEANETTE ROAD



District: 3
Bond Funds Involved: Yes
Project Number: P03879
Tracking Number: 16
Designer: URS CORPORATION
Department: GDOT
Dept Contact: Adam Fischer
Reporting Division: Engineering
Project Manager: Thomas Cordell
Construction Start: Winter, 2009/2010
Project Completion: Summer, 2011

Project Description

NORTH ELM STREET TO LAWNDALE DRIVE

This project is one of the roadway bond projects approved by voters in the 2000 Bond Program. The project includes widening, curb & gutter, storm sewer, median islands, turn lanes, sidewalks and other items associated with a roadway improvement project. The improvements are being made where none now exist.

Stimulus funding has been approved for this project. The project was advertised for construction bids on 10/15/09, and bids were opened on 11/16/09. The contract was awarded on December 14 to Triangle Grading and Paving Co. with a bid amount of \$2,493,271.77 and 10% DBE participation. The Notice to Proceed was effective 1/25/10, and the target completion date has been set for 4/30/11. Construction is behind schedule. The first of 3 sections of roadway, from Lawndale Dr. to New Garden Rd., is roughly 90% complete. Curb and Gutter and sidewalk for Phase 2, from New Garden Rd. to Meadow Gate are approximately 60% complete. Clearing has been completed, and storm sewer installation is approximately 80% complete for Phases 2 and 3 from New Garden Rd. to Shore Lake Dr.

Budget Comments 2000 Bond & Stimulus Funds

Professional services and R/W funded from 2000 Bond sales in Spring 2006. Construction funding will be made available through 2000 Bond funds and \$4,125,000 of Economic Stimulus funding.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$2,000,000	Prof. Services:	\$300,000	Prof. Services:	\$428,205
Project Budget:	\$2,525,000	Land- R/W-Cost:	\$400,000	Land - R/W Cost:	\$767,870
Grants/Fed.-State:	\$4,125,000	Construction Cost:	\$5,950,000	Construction Cost:	\$3,064,242
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$6,650,000	Total Estim. Cost	\$6,650,000	Cost to Date:	\$4,260,317



MARKET STREET, WEST @ GUILFORD COLLEGE RD



District: 5
Bond Funds Involved: Yes
Project Number: P04416
Tracking Number: **390**
Designer: STV/Ralph Whitehead Assoc.
Department: GDOT
Dept Contact: Chris Spencer
Reporting Division: Engineering
Project Manager: Anthony Kozuch
Construction Start: Spring, 2014
Project Completion: Spring, 2015

Project Description

MARKET STREET, WEST @ GUILFORD COLLEGE ROAD INTERSECTION IMPROVEMENT

This project includes widening, additional turn lanes and sidewalks on each side of the intersection of West Market Street and Guilford College Road. Improvements on College Road extend north to Guida Drive.

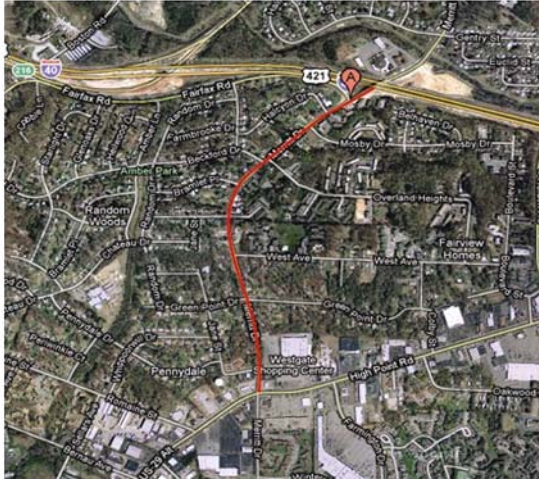
This project has been designed by STV/Ralph Whitehead Associates. The revised 100% contract documents have been received. The designer is continuing with the development of the required encroachment agreements and permits. Property acquisition has been placed on hold until funds are available. Utility relocations will follow property acquisition. The adjacent railroad line, the numerous utilities installed, and the close proximity of existing commercial buildings to the roadway present unusual complications in the preparation of this site.

Budget Comments 2000 & 2008 Bond

This project is currently under consideration for partial construction funding by NCDOT. The remainder will be funded by the 2008 Transportation Bond sales. Professional Design Services are funded with 2000 Bond monies.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$4,000,000	Prof. Services:	\$500,000	Prof. Services:	\$488,635
Project Budget:	\$1,550,000	Land- R/W-Cost:	\$1,000,000	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$4,500,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$1,550,000	Total Estim. Cost	\$6,000,000	Cost to Date:	\$488,635

MERRITT DRIVE



District: 5
Bond Funds Involved: Yes
Project Number: P03880
Tracking Number: 25

Designer:
Department: GDOT
Dept Contact: Adam Fischer
Reporting Division: Engineering
Project Manager: Joshua Purkett

Construction Start: Summer, 2011
Project Completion: Summer, 2012

Project Description

I-40 BRIDGE TO HIGH POINT ROAD

Merritt Drive is a minor north-south thoroughfare connecting the heavily developed retail corridor of High Point Road with Spring Garden Street/Wendover Avenue corridors. Currently the referenced limits is a two-lane roadway carrying approx. 19,000 vehicles a day between High Point Road and the I-40 bridge area. Multi-lane improvements to Merritt Drive between I-40 and Spring Garden Street were completed in 1997, creating a bottleneck at Merritt Drive bridge over I-40. As part of the I-40 widening project, NCDOT has widened the Merritt Drive bridge to clear up the bottleneck. In order to provide a continuous multilane facility between High Point Road and Spring Garden Street, it is imperative that the section of Merritt Drive between I-40 and High Point Road be improved.

Property acquisition is complete with exception of one parcel (condemnation). Utility adjustments began September 2010.

NC Division of Water Quality and Land Quality permits are in process. Additional storm water management structures are being designed.

Budget Comments 2000 & 2008 Bond

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$3,500,000	Prof. Services:	\$50,000	Prof. Services:	\$68,122
Project Budget:	\$5,557,956	Land- R/W-Cost:	\$1,135,000	Land - R/W Cost:	\$1,416,000
Grants/Fed.-State:	\$0	Construction Cost:	\$4,000,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$93
Available Budget:	\$5,557,956	Total Estim. Cost	\$5,185,000	Cost to Date:	\$1,484,215

NEW GARDEN ROAD - PHASE II



District: 4
Bond Funds Involved: Yes
Project Number: P03741
Tracking Number: 83
Designer:
Department: GDOT
Dept Contact: Adam Fischer
Reporting Division: Engineering
Project Manager: Guy Ingle
Construction Start: Fall, 2009
Project Completion: Spring, 2011

Project Description

BRYAN BLVD TO BRASSFIELD RD.

This is a widening of the existing roadway from a two lane ribbon pavement to a four lane divided roadway with a grass median and sidewalks installed on both sides of the roadway.

On June 2, 2009 the construction contract was awarded by City Council to Jimmy R Lynch & Sons, Inc. for the bid amount of \$4,668,000; with a 3.9% M/WBE participation. The Notice to Proceed was issued on February 8, 2010. Paving of the southbound lanes from Timberoak Drive to a tie-in point just south of the new culvert is complete. All traffic is currently traveling in the outside lanes of the widened section. Demolition of the remaining original roadway in the median will continue as weather allows.

The stream relocation/restoration work was completed in May with the exception of the final plantings which will be done in the winter of this year. Assistance in the post-construction stream restoration monitoring is being provided by a local on-call consultant.

Survey work is to begin soon on areas necessary for the preparation of the Letter of Map Revision (LOMR) which must be completed within 6 months of construction completion. The LOMR is being prepared by a local on-call consultant.

Budget Comments 2000 Bond & Powell

Design and Land- R/W cost are funded using Powell Bill and Street/Sidewalk Revolving Funds. Construction funded from 2000 Bond funds.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$3,100,000	Prof. Services:	\$100,000	Prof. Services:	\$132,620
Project Budget:	\$6,800,000	Land- R/W-Cost:	\$700,000	Land - R/W Cost:	\$913,468
Grants/Fed.-State:	\$0	Construction Cost:	\$5,900,000	Construction Cost:	\$4,668,000
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$100,000	Other Cost:	\$0
Available Budget:	\$6,800,000	Total Estim. Cost	\$6,800,000	Cost to Date:	\$5,714,088



SIGNAL SYSTEM & INTELLIGENT TRAFFIC SYSTEM



District: All
Bond Funds Involved: Yes
Project Number:
Tracking Number: **398**
Designer: KHA/NC DOT
Department: GDOT
Dept Contact: Joe Mullinax
Reporting Division: Engineering
Project Manager:
Construction Start: August 1, 2008
Project Completion: August 15, 2013

Project Description

This program will enhance and upgrade the infrastructure of the traffic signal system and expand the operations of the City's traffic signals.

Construction on the Signal System replacement project began in August of 2008. The contractor has installed system loops, loop lead-ins, fiber-optic cable as well as new traffic signal controllers and cabinets.

The current phase of the project involves replacement of all 450 traffic signal control cabinets and traffic signal controllers. Currently, new cabinets and controllers are installed and operating at 324 intersections. The contractor has begun installation of the 150 miles of fiber-optic communication cable which will interconnect all 450 traffic signals for central control. 54.8 miles of cable have been installed to date.

Ethernet switching equipment has been installed at MMOB, the Sanford Smith Building and the Signal Shop. 104 intersections are currently online with and being controlled by the new system.

Budget Comments

MIS is funding upgrades to signal system Ethernet network including additional fiber optic cables and upgraded network switches to interconnect other city facilities to the Ethernet network. MIS is contributing \$1,451,735 for these upgrades to the Ethernet network.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$25,501,735	Prof. Services:	\$1,699,504	Prof. Services:	\$1,699,501
Project Budget:	\$0	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$21,000,000	Construction Cost:	\$19,173,652	Construction Cost:	\$16,844,944
Contributions:	\$4,451,735	F. F. and E.:	\$2,876,048	F.F. and E.:	\$200,000
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$25,451,735	Total Estim. Cost	\$23,749,204	Cost to Date:	\$18,744,445

BESSEMER SHOPPING CENTER



District: 2
Bond Funds Involved: No
Project Number:
Tracking Number: **412**
Designer:
Department: HCD
Dept Contact: Dyan Arkin
Reporting Division: Engineering
Project Manager:
Construction Start: TBA
Project Completion: 2012

Project Description

Redevelopment of the 9.8-acre Bessemer Shopping Center property, which was purchased in January 2008 to provide land for construction of the new McGirt-Horton Library. Library bond funds, Community Development Block Grant (CDBG) funds and local neighborhood renewal bond funds were used for the \$1.25 million site purchase. The 45,000 square foot building on the site is currently vacant except for a 9000+ Family Dollar store. A 2003 neighborhood center visioning process developed a set of recommendations, which have recently been tested for feasibility.

Next steps include subdividing library site from the remainder of the site, designating an Integrated Multiple Use Development (IMUD), recruitment of tenants, and procurement of a developer. Three responses have been received to the Lead Agent for Development Request for Proposals that was release in December. A Community Advisory Committee is assisting in the evaluation process and we expect to have a recommendation for City Council consideration at the February 1, 2011 council meeting. Subsequent to selection of a Lead Agent and execution of a contract, a development entity will be procured.

Budget Comments

Acquisition funds breakdown included \$446,073 Library Bond Funds, \$450,000 Community Development Block Grant (CDBG) funds, and \$378, 421 Redevelopment Bond funds. Other fund sources are lease revenue and Housing Partnership. Other cost is property management.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$1,274,495	Prof. Services:	\$100,000	Prof. Services:	\$49,850
Project Budget:	\$824,495	Land- R/W-Cost:	\$1,274,495	Land - R/W Cost:	\$1,274,495
Grants/Fed.-State:	\$643,305	Construction Cost:	\$500,000	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$71,000	Other Cost:	\$50,000	Other Cost:	\$22,496
Available Budget:	\$1,538,800	Total Estim. Cost	\$1,924,495	Cost to Date:	\$1,346,841



Bessemer Shopping Center Revitalization City of Greensboro, NC

Master Plan



Existing Facade



ELM STREET, SOUTH - BROWNFIELD REDEVELOPMENT



District: 1
Bond Funds Involved: No
Project Number:
Tracking Number: **343**
Designer: Not yet selected.
Department: HCD
Dept Contact: Dyan Arkin
Reporting Division: Engineering
Project Manager:
Construction Start: Spring, 2007
Project Completion: Winter, 2012

Project Description

This project is a brownfield redevelopment area (def: abandoned, idled or under-used industrial and commercial properties where expansion or redevelopment is complicated by real or perceived contamination) extending west from Arlington Street to the railroad tracks and south from Lee Street to Bragg Street and beyond. The project's goal is to create a redevelopment plan for the area and develop the site's properties according to the plan. This will be achieved with the following objectives: assess site for environmental contamination, acquire properties to be redeveloped, remediate contamination as required and implement the development plan. It is expected that the project will involve new construction, rehabilitation, new and improved infrastructure.

A Comprehensive Site Environmental Report has been prepared and sent to NCDENR. The Redevelopment Plan has been approved by the City Council. The Redevelopment Commission has purchased all properties required for the project. Sanitary sewer line upgrades have been completed. Building demolition has been completed, along with the removal of a Norfolk Southern railroad siding and trestle at Bragg Street. City Council has approved the closure of Bragg Street under the RR line. Remediation Work Plan and Remedial Action Plan have been approved by NCDENR. Remediation work is essentially complete. Marketing the site for development is underway. Developer solicitation is underway; responses to the RFP are due February 15, 2011. Information on the master plan can be found on the web site for the project - www.southelmstreet.com

Asbestos abatement: Abatemaster - \$53,280 - MWBE participation - 100%

Demolition: DH Griffin - \$283,700.00 - MWBE participation \$25,500 - 9%

Remediation: Triangle Paving and Grading - \$1,085,799 - MWBE participation \$263,502 - 24%

Budget Comments

Construction Cost line item no longer includes remediation expenses.

HUD and other Federal agencies are participating in funding ie. Federal BEDI Grant: \$2,000,000; HUD 108 Loan: \$3,000,000. The City is also receiving a Federal Brownfield's Grant for \$200,000. Federal CDBG funds in the amount of \$398,500 have been added to this project to allow the purchase and demolition of the St. James Homes II site.

City Funding Sources have been identified as; Powell Bill Water Resources and Infill Development in the amount of \$1,050,000. City funding represents approx. 17% of the total estimated project cost.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$1,050,000	Prof. Services:	\$580,000	Prof. Services:	\$499,313
Project Budget:	\$1,050,000	Land- R/W-Cost:	\$3,873,000	Land - R/W Cost:	\$4,728,552
Grants/Fed.-State:	\$6,688,500	Construction Cost:	\$4,388,000	Construction Cost:	\$622,711
Contributions:	\$3,275,000	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$2,172,500	Other Cost:	\$684,806
Available Budget:	\$11,013,500	Total Estim. Cost	\$11,013,500	Cost to Date:	\$6,535,382



Project Description

Budget Comments

47 of 55



FLUIDIZED BED INCINERATOR REPLACEMENT



District:
Bond Funds Involved: No
Project Number:
Tracking Number: **407**
Designer: Camp Dresser & McKee
Department: WATER RESOURCES
Dept Contact: Mike Borchers
Reporting Division: Engineering
Project Manager: Danny Briggs
Construction Start: July, 2008
Project Completion: Fall, 2011

Project Description

This project entails replacing one of two existing fluidized bed incinerators at the T.Z. Osborne Water Reclamation facility. The existing incineration unit, installed in the 1990's, has reached the end of its design life. The purpose of the incineration process is to reduce the quantity of biosolids produced through the treatment of waste water and to convert it to an ash which when disposed has the least amount of health and environmental impacts. This equipment is critical in treating wastewater since it processes the sludge produced from both T.Z. Osborne and North Buffalo wastewater treatment facilities.

Camp Dresser & McKee is providing construction administration services for this project. On August 18, 2009 the construction contract was awarded by City Council to Crowder Construction for the bid amount of \$20,965,455 with 6.4% M/WBE participation. A Notice To Proceed was issued on November 2, 2009 and the anticipated contract completion date is two years from notice to proceed.

Recent activities include continuation of the refractory installation, sludge feed piping, masonry work, louver wall demo, and the ash slurry piping. The roof installation was completed, and the 8" SW on 724 was rerouted. FAB air lines, feeder cable to MCC-20, and checkered plates installation was begun. Upcoming activities include completion of the sludge feed piping, refractory installation, ash slurry piping, and the feeders from the substations to MCC-20. Sludge pump powerpack hydraulic lines and masonry work will continue, and louver installation will begin. Latest project schedule reflects a 60 day period for review of the testing protocol by CDM, H&S and the City staff.

Budget Comments

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$25,000,000	Prof. Services:	\$2,930,663	Prof. Services:	\$2,930,663
Project Budget:	\$25,000,000	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$21,000,000	Construction Cost:	\$20,965,455
Contributions:	\$0	F. F. and E.:	\$582,000	F.F. and E.:	\$307,450
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$25,000,000	Total Estim. Cost	\$24,512,663	Cost to Date:	\$24,203,568

T.Z. Osborne WRF
Fluidized Bed Incinerator Project
COG Contract Number 2009-002
City of Greensboro Water Resources

RFP's Issued: 15 / RFP's Open: 5
WCD's Issued: 6 (2 credits; 4 debits)
RFI's Issued: 72 / RFI's Open: 1

Date: December 7, 2010
Subject: Monthly Project Status
Period: Nov. 1, 2010 to Nov. 30, 2010

From: Dave Heiser, CDM
To: Danny Briggs – COG; Barry Bickerstaff
– H&S; Jim Butcher – CDM

CONTRACT STATUS:

Original Time for Completion: 730 days
Amended Time: 0
Expired Time for Completion: 393 days
Percent Contract Time Expired: 53.8%
Budgeted Work Completed: \$15,454,349
73.7%
Contingency Remaining: \$914,231

WORK COMPLETED THIS PERIOD:

- Continued sludge feed piping.
- Continued refractory installation.
- Began roofing installation.
- Transverse conveyor installed.
- Began ash slurry piping.
- Continued unit heater piping.
- Poured slab and curbs at 721.75.
- Completed 24" duct to stack.
- Installed screw feeders and chute.

WORK PLANNED NEXT 30 DAYS:

- Complete sludge feed piping.
- Complete ash slurry drain piping (inside & out).
- Continue refractory installation.
- Demo for louvers; install blockwork.
- Complete roofing installation.
- Install hydraulic lines to sludge pumps.
- Install electrical feeders to MCC-20.
- Begin masonry work at all levels.
- Complete unit heater piping.

GENERAL COMMENTARY:

Work is proceeding on schedule and within budget. October partnering survey results showed good teamwork and attitudes.

PHOTOS:



Refractory brick inside shell at access doorway.



Roofing installation at end of November.



Sludge conveyor west end at top of chute.

GTCC NORTHWEST CAMPUS WATER & SEWER IMPROVEMENTS



District: 5 & County
Bond Funds Involved: No
Project Number: VARIOUS
Tracking Number: **410**
Designer: Cole Jenest & Stone
Department: WATER RESOURCES
Dept Contact: Mike Borchers
Reporting Division: Engineering
Project Manager: Joshua Purkett
Construction Start: February, 2011
Project Completion: March, 2012

Project Description

This project extends water and sewer services to the proposed GTCC northwestern campus in a joint partnership between the City of Greensboro and Guilford County which includes water mains, gravity sewer mains, a sewer pump station and sewer force main.

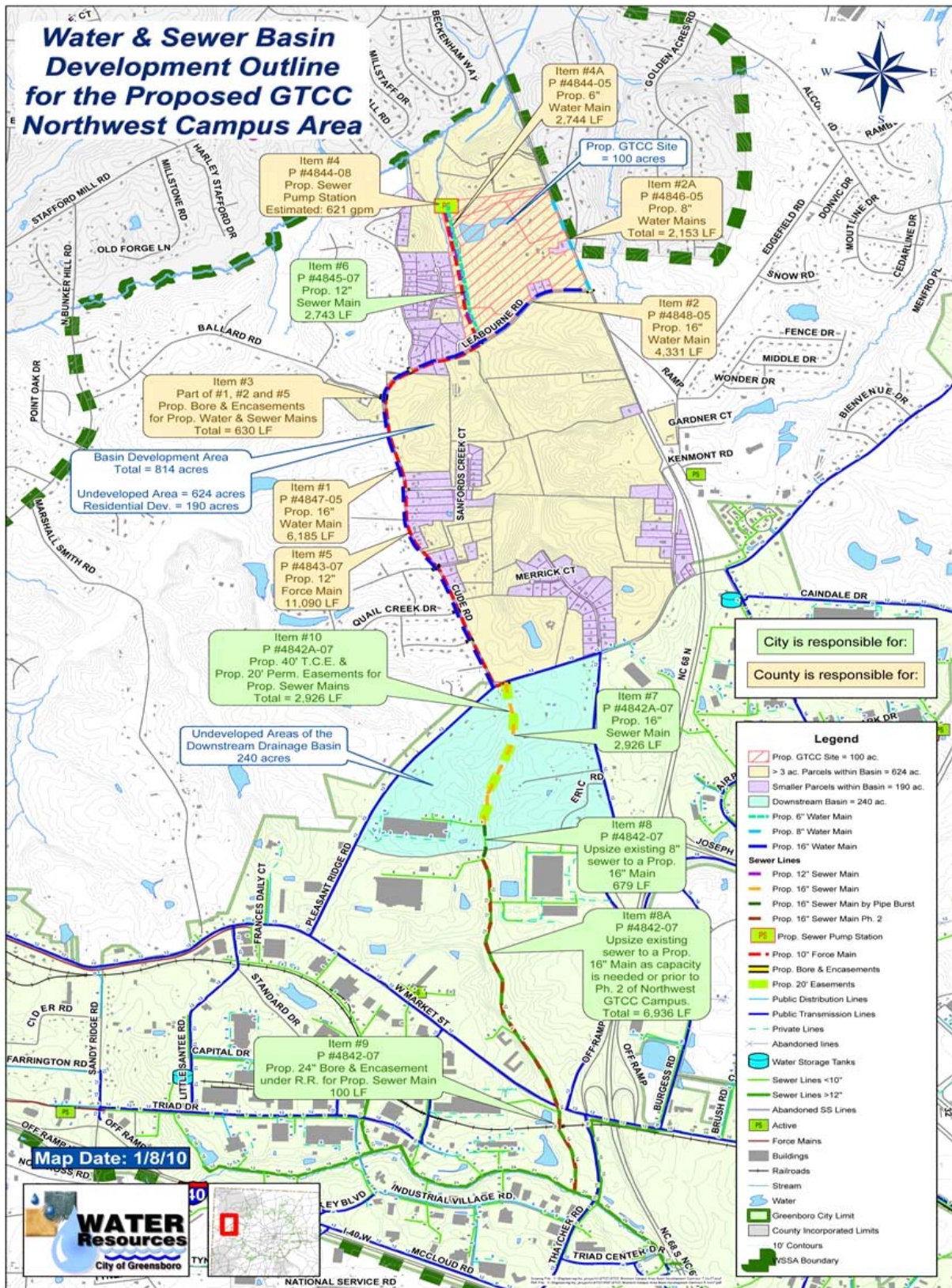
In March 2009 Cole Jenest & Stone was selected to provide engineering design and construction administration services associated with water and sewer service to GTCC's Northwest Campus. The construction plans call for the extension of 15,460 linear feet of water main and 13,265 linear feet of gravity sewer, a new sanitary sewer pump station with an estimated 621 gpm pumping capacity and 11,060 linear feet of sewer force main. At this time the construction plans are 100% complete and all Federal and State permits have been received. Property (easement) acquisition efforts continue.

Bids for the lift station portion of the project were opened on 12/2/10 with Ramey, Inc. the apparent low bidder at \$2,393,281. The low bid was approved by the County Commissioners on 1/13/2011. City Council approval will follow with an anticipated notice to proceed target date of 3/15/11. The remaining utility line work (to support the lift station) is scheduled to advertise after the first of the year with a notice to proceed target date by the beginning of the second quarter of 2011. The schedule calls for 300 calendar days to construct the lift station. To meet GTCC's schedule water and sewer services need to be available to the campus before the spring of 2012.

Budget Comments

Funding for this project consists of \$2,825,937 from Guilford County, \$1,083,534 from 503 Water and Sewer Project Fund and \$1,000,000 in Economic Development Funds.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$2,083,534	Prof. Services:	\$446,176	Prof. Services:	\$508,710
Project Budget:	\$2,083,534	Land- R/W-Cost:	\$504,210	Land - R/W Cost:	\$102,260
Grants/Fed.-State:	\$0	Construction Cost:	\$3,957,545	Construction Cost:	\$0
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$2,824,397	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$4,907,931	Total Estim. Cost	\$4,907,931	Cost to Date:	\$610,970



LAKE TOWNSEND DAM REPLACEMENT



District: 3
Bond Funds Involved: No
Project Number:
Tracking Number: **280**
Designer: Schnabel Engineering
Department: WATER RESOURCES
Dept Contact: Mike Borchers
Reporting Division: Engineering
Project Manager: Melinda King
Construction Start: May, 2009
Project Completion: November, 2011

Project Description

REPAIRS TO THE EXISTING SPILLWAY AND INTAKE STRUCTURES

The existing Townsend Dam and spillway were put into service in 1969. The spillway allows passage of flood flows over the dam, and the intake structure pumps water to the Townsend Water Treatment Plant. After extensive investigation, it was determined that a new spillway would be needed due to a reactive agent found in the aggregate used in the concrete during original construction. This has weakened the spillway structure with the existing intake structure suffering from similar deterioration.

A new intake structure has been completed and a new labyrinth spillway will be constructed downstream of the existing dam. On March 3, 2009 the construction contract was awarded by City Council to Crowder Construction for the bid amount of \$14,978,291 with 18% M/WBE participation. The Notice to Proceed was given on April 27, 2009. Current construction activities include cosmetic concrete repairs on labyrinth and north/side side walls and removal of forms and site cleanup. Activities coming up include cosmetic repairs of concrete structure, resumption of earth work operations, weather permitting and delivery to site of the first shipment of Articulating Concrete Blocks (ACB's).

Budget Comments Revenue Bond Funds

Some engineering funded from 511 revenue bond. The remainder of engineering and construction are funded from the 512, 513 and 514 revenue bonds. Cost estimates include intake and dam.

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$36,000,000	Prof. Services:	\$12,000,000	Prof. Services:	\$11,965,013
Project Budget:	\$41,006,060	Land- R/W-Cost:	\$0	Land - R/W Cost:	\$0
Grants/Fed.-State:	\$0	Construction Cost:	\$28,014,000	Construction Cost:	\$27,932,874
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$992,060	Other Cost:	\$992,060
Available Budget:	\$41,006,060	Total Estim. Cost	\$41,006,060	Cost to Date:	\$40,889,947



Lake Townsend Dam
Contract No: 2007-030
City of Greensboro Water Resources

Date: 1-10, 2011
Subject: Weekly Project Status

From: Schnabel Engineering
To: Melinda King

PERIOD: 1-1 through 1-8, 2011

CONTRACT SCHEDULE:

Original Contract Time:	840 days
Amended Contract Time:	840 days
Elapsed Contract Time:	621 days
Remaining Contract Time:	219 days
Percent Elapsed:	73.9%

CONTRACT PRICE:

Original Contract Price:	\$14,978,291.00
Amended Contract Price:	\$14,978,291.00
Total Invoiced to Date:	\$ 9,182,582.78
Percent Expended:	61.3%

WORK COMPLETED THIS WEEK:

- Inclinator/piezometer readings taken.
- Form removal completed from labyrinth walls.

WORK IN PROGRESS THIS WEEK:

- Continued cosmetic concrete repairs on labyrinth and north/side side walls.
- Continued removal of forms and site cleanup.

WORK PLANNED FOR NEXT WEEK:

- Continue cosmetic repairs of concrete structure.
- Resume earth work operations weather contingent.
- Delivery to site first shipment of Articulating Concrete Blocks (ACB's).

WEEKLY PROGRESS REPORT



View of drilling and clean out of form bolt holes on spillway slab section for patching.



View of sidewalls, slab sections, and labyrinth walls looking south.



View of flow into south side manhole from drainage blanket.

Photo's and captions provided by Schnabel Engineering



WATER & SEWER ANNEXATION PROJECTS



District: 1,3,5
Bond Funds Involved: No
Project Number:
Tracking Number: **408**
Designer:
Department: WATER RESOURCES
Dept Contact: Mike Borchers
Reporting Division: Engineering
Project Manager: Ted Partrick
Construction Start: Winter, 2009
Project Completion: Winter, 2010

Project Description

These projects are for the construction of water and sewer utilities in the areas annexed to the City on July 1, 2008. There are a variety of projects constructed under 6 contracts.

Water and sewer utilities are being extended to serve newly annexed areas. The 36 water, sewer and sewer outfall projects were designed under a very aggressive schedule using the full complement of Engineering's in-house design teams and three outside consulting firms over a 15 month period.

The construction of the projects is complete with minor seeding and mulching in a few isolated areas.

* Part 1: Contract 2008-056 - Four Farms Road and Brinton Drive. The contract was awarded to BRS, Inc., on June 15, 2010, for \$1,279,464.37. The MWBE participation is 6%. Construction is complete and testing is being completed.

* Part 2: Contract 2008-079 - Alcorn Road, Pleasant Ridge Road, Prentiss Road, Ironwood Circle, Long Valley Road, Neville Road, Triad Drive and Gray Wilson Road. The contract award was awarded on March 16, 2010, to Ramey, Inc., for the bid amount of \$1,103,622.40 with 19.6% M/WBE participation. Construction is complete.

* Part 3: Contract 2008-080 - Firewood Trail, Western Trail, Shady Grove, Fleming Road, Hedrick Drive, Retriever Court and Brandt Lake Court. On December 15, 2009 the construction contract was awarded by City Council to Thomas Stanley Grading for the bid amount of \$ 1,207,486.50 with 26% M/WBE participation. Construction is complete.

* Part 4: Contract 2008-081 - Memory Way, South Holden Road, Riverdale Road and East Montcastle Drive. The construction contract was awarded by City Council November 17, 2009, to Yates Construction for the bid amount of \$401,975.50 with 0% MWBE participation. The Good Faith Committee reviewed and approved the bidder's effort. Project is complete.

* Part 5: Contract 2009-054 - Crosswinds Court, Crosswinds Road, and Covered Wagon Road. The construction contract was awarded by City Council on October 20, 2009, to Breece Enterprises for the bid amount of \$364,471.00 with 24% MWBE participation. Project is complete.

* Part 6: Contract 2009-061- Millstream Road. The contract was awarded on April 6, 2010, to State Utility Contractors for the bid amount of \$714,791.85 with an MWBE utilization of 10%. Construction is complete.

Budget Comments

<u>BUDGET</u>		<u>ESTIMATED COST</u>		<u>COST TO DATE</u>	
Orig. Project Budget:	\$4,096,667	Prof. Services:	\$669,375	Prof. Services:	\$781,850
Project Budget:	\$4,096,667	Land- R/W-Cost:	\$2,058,900	Land - R/W Cost:	\$741,911
Grants/Fed.-State:	\$0	Construction Cost:	\$4,462,500	Construction Cost:	\$3,077,595
Contributions:	\$0	F. F. and E.:	\$0	F.F. and E.:	\$0
Other Fund Sources:	\$0	Other Cost:	\$0	Other Cost:	\$0
Available Budget:	\$4,096,667	Total Estim. Cost	\$7,190,775	Cost to Date:	\$4,601,356